

# National Board of Examinations

<b>Question Paper Name :</b>	DNB Nuclear Medicine Paper4
<b>Subject Name :</b>	DNB Nuclear Medicine Paper4
<b>Creation Date :</b>	2022-06-25 18:45:02
<b>Duration :</b>	180
<b>Share Answer Key With Delivery Engine :</b>	No
<b>Actual Answer Key :</b>	No

## DNB Nuclear Medicine Paper4

<b>Group Number :</b>	1
<b>Group Id :</b>	3271871145
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	180
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	100
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## DNB Nuclear Medicine Paper4

<b>Section Id :</b>	3271871148
<b>Section Number :</b>	1

<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions to be attempted :</b>	10
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	3271871152
<b>Question Shuffling Allowed :</b>	No

**Question Number : 1 Question Id : 3271877145 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**Please write your answers in the answer booklet within the allotted pages as follows:-**

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. a) PET/CT Enteroclysis: Indications, technique and advantages. [5]
- b) Special techniques in PET/CT imaging in pelvic organ malignancies. [5]

**Question Number : 2 Question Id : 32718710503 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

- a) Clinical application of F-DOPA PET-CT imaging. [5]
- b) PET-CT imaging in angiogenesis. [5]

**Question Number : 3 Question Id : 32718710504 Question Type : SUBJECTIVE Consider As**

**Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

a) Positron Emission Mammography. [5]

b) Ga68- Pentixafor PET-CT imaging. [5]

**Question Number : 4 Question Id : 32718710505 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Recent ATA guideline for the management of thyroid cancer. [10]

**Question Number : 5 Question Id : 32718710506 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Discuss AI with respect to Nuclear Medicine and its role in treatment response evaluation. [10]

**Question Number : 6 Question Id : 32718710507 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Redifferentiation of Radioiodine refractory differentiated thyroid cancer for reapplication of I-131 therapy: Current status. [10]

**Question Number : 7 Question Id : 32718710508 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

a) Immuno PET-CT imaging. [5]

b) Radio-immunotherapy in lymphoma. [5]

**Question Number : 8 Question Id : 32718710509 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

a) PSMA PET-CT imaging in prostate cancer. [5]

b) Role of External Radiation therapy in the management of thyroid cancer. [5]

**Question Number : 9 Question Id : 32718710510 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Describe indications, advantages and disadvantages of Lu-177 PSMA-617 and Ac-225 PSMA-617 in prostate cancer. [10]

**Question Number : 10 Question Id : 32718710511 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Role of PET-CT imaging using labelled WBCs in differentiating malignancy versus infection. [10]